EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|------------------------------|----------------------------------|---------------------|---------|---------------------|
| L2 | 1427 | 166/319,321,323.cds. | US- PGPUB; USPAT; USOCR | AND | OFF | 2011/04/12 18:06 |
| L3 | 0 | L2 pressure ADJ delimited | US- PGPUB; USPAT; USOCR | AND | OFF | 2011/04/12 18:06 |
| L4 | 38 | L2 pressure ADJ range | US- PGPUB; USPAT; USOCR | AND | OFF | 2011/04/12 18:06 |
| L5 | 7 | L4 state | US- PGPUB; USPAT; USOCR | AND | OFF | 2011/04/12 18:06 |
| S1 | 1 | ("20070125554"). PN . | US- PGPUB; USPAT; USOCR | OR | OFF | 2008/07/23 14:43 |
| S2 | 1 | ("5490564").PN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2008/07/23 14:44 |
| 53 | 1231 | 166/319,321,323.cds. | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 14:58 |
| S4 | 337 | S3 lock piston | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 14:58 |
| S5 | 1231 | 166/319,321,323.cds. | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 16:56 |
| S6 | 337 | S5 lock piston | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 16:56 |
| S7 | 99 | S6 collet | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 16:56 |
| S8 | 3 | S6 (damping OR damped) | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/23 17:33 |

| S9 | 31 | ["3941510" "4036297" "4149555" "4457334" "4474422" "4554981" "4682656" "4691779" "4705895" "4989228" "4997160" "5167282" "5217422" "5253713" "5295403" "5598619" "5289193" "5647573" "5836333" "6148623" "6152167" "6170573" "6296008" "6325151" "6523613" "654580" "6337510" "6705404" "6847073" "6897256" "RE31845"), FN. OR ("7331392"), UJFITN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/24 09:22 |
|-----------|------|---|----------------------------------|-----|-----|---------------------|
| S10 | 1 | (*6907926*).FN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 09:47 |
| S11 | 1231 | 166/319,321,323.cds. | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/24 10:20 |
| S12 | 136 | S11 motor | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/24 10:20 |
| S13 | 120 | S12 (processor OR control OR controller) | US- PGPUB; USPAT; USOCR | AND | OFF | 2008/07/24 10:21 |
| S14 | 1 | (*20020046834*). FN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2008/07/24 11:02 |
| S15 | 1476 | 166/126,128,131,133,183,188,194.ccls. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 16:58 |
| S16 | 71 | S15 (radial ADJ (port OR ports OR passage OR nozzle)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 16:58 |
| S17 | 34 | ["20020027003" "2307946" "3454026" "3967847" 4096415" *417934" *429599" "4402517" "4524831" "4621685" "460046" "467026" "4770260" "5058673" "5138316" "5323853" "5266651" "5832996" "5932650" "5957207" "5971004" "6012516" "6005845" "6119783" "6247536" "6288919").PN. OR ("6523613"). UPFN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:05 |
| S18 | 1 | ("7331392").PN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2009/10/19 17:06 |

| S19 | 31 | ["3941510"] "4036297" "4149555"] "4457334" "4474242" "4554981" "4682656"] "4997160" "5167282" "5211242" "5253713" "5295403" "5598619! "5622199" "5647573" "5896393" "6148923" "6152167" "6170573" "6290008" "6325151" "6523613" "6554580" "6337510" "6705404" "6540703" "6907926" "RE31845"). FN. OR ("7331392"). URFN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:24 |
|------|------|--|----------------------------------|-----|-----|---------------------|
| S20 | 0 | "166".clas. (packer) (((first second third) ADJ (state)) SAME pressure) (radial ADJ (port OR nozzle OR opening OR flowpath)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:29 |
| S21 | 0 | "166".clas. (packer) (((first second third) ADJ (state)) SAME pressure) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:29 |
| S22 | 2 | "166".clas. (packer) (((first second third) ADJ (state))) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:29 |
| S23 | 193 | "166".clas. (packer) plug (radial ADJ (port OR nozzle OR opening OR flowpath)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:30 |
| S24 | 1301 | 166/319,321,323.ccls. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:48 |
| S25 | 51 | \$24 (index OR indexable) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:48 |
| S26 | 14 | \$25 (radial ADJ (port OR ports)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:49 |
| \$27 | 31 | ("3941510" "4036297" "4149555" "4457334" "4474422" "4554981" "4682666" "4997760" "4708595" "4998226" "4997760" "5167282" "5211422" "5253713" "5259403" "5596161" "5526913" "5596161" "5596161" "55269163" "65369161" "6522199" "5647573" "5836333" "6149823" "61152167" "6523613" "6554580" "6537510" "6705740" "65236151" "6523613" "6554580" "637510" "6705404" "79840703" "699232" "RE31845"), FN. OR ("7331392"), UPIFN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 17:53 |
| S28 | 1 | (*5490564*).PN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2009/10/19 17:57 |
| S29 | 2731 | (S15 OR S24) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 18:04 |

| S30 | 160 | S29 (radial ADJ (port OR ports)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 18:04 |
|-----|-------|--|----------------------------------|-----|-----|---------------------|
| S31 | 4032 | S30 (piston ADJ lock) OR (locking ADJ piston) OR (lock ADJ piston) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 18:04 |
| S32 | 4 | S30 ((piston ADJ lock) OR (locking ADJ piston) OR (lock ADj piston)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/19 18:05 |
| S33 | 0 | ("2007/0125554").URPN. | USPAT | AND | OFF | 2009/10/19 18:09 |
| S34 | 161 | (bosley.in.) | USPAT | AND | OFF | 2009/10/19 18:10 |
| S35 | 5 | "166".clas. S34 | USPAT | AND | OFF | 2009/10/19 18:10 |
| S36 | 31 | ["341510" "403829" "4149555" "4457334" "4474242" "4554981" "4682656" "497160" "5167282" "52853713" "52853713" "5285403" "5596819" "56253713" "5836333" "61489221" "612167" "6170572" "6280002" "62506161" "6523613" "6554580" "637510" "6705404" "6340703" "6907260" "8231845"). PN. OR ("7331392"). URFN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:50 |
| S37 | 59558 | 1166".clas. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:54 |
| S38 | 2710 | S37 ((sleeve ADJ valve) OR (sliding ADJ sleeve)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:55 |
| S39 | 1591 | S38 (hydraulic or hydraulically) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:55 |
| S40 | 855 | S39 (lock OR locked OR locking) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:55 |
| S41 | 107 | S39 ((lock OR locked OR locking) ADJ (piston OR mandrel)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 09:55 |
| S42 | 28 | [2307949" "3454029" "3967647" "4084613" "4217934" "4402517" "4402517" "4524301" "470250" "5058673" "5328953" "5826961" "470250" "5058673" "5922961" "593700" "5971004" "6012518" "6085465" "6119783"),PN, OR ("6502640"),UPRN, | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:19 |

| S43 | 27 | ["2307949" "3454029" "3967647" "4084613" "4217934" "4402517" "4481864" "4524831" "4660646" "4660646" "4660647" "4718494" "4770250" "5058673" "5323965" "5826966" "5823966" "5826966" "5832996" "5947205" "5957207" "5971004" "6012518" "6085645" "6119783"), PN. OR ("6505684"). UHFN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:22 |
|-----|-----|--|----------------------------------|-----|-----|---------------------|
| S44 | 235 | 166/323.ccls | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:32 |
| S45 | 17 | S44 (radial ADJ (ports OR openings OR nozzles OR flowpaths)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:33 |
| S46 | 123 | S44 (hydraulic OR hydraulically) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:39 |
| S47 | 12 | S46 ((lock OR locked OR locking) ADJ (close OR closed)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/20 10:39 |
| S48 | 230 | "166" clas. ((lock OR locked) ADJ closed) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/21 16:10 |
| 549 | 1 | ("6,082,459"). PN. | US- PGPUB; USPAT; USOCR | OR | OFF | 2009/10/21 16:39 |
| 350 | 5 | ("20060108115" "6981551" "6983795" "7124824" "7290610").PN. OR ("7451816"). URPN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/21 16:48 |
| 351 | 21 | *166* clas. ((index OR indexing) ADJ (piston OR ring)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/21 18:29 |
| 352 | 24 | ["4113012" "4403659" "4915175" "5010955" "5295538" "5377750" "5609178" "5609204" "570223" "5890540" "5901796"). PN. OR ("6220357").URPN. | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/21 18:54 |
| 353 | 21 | *166*.clas. ((index OR indexing) ADJ (piston OR ring)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/22 10:38 |
| 354 | 3 | S53 (test OR testing) | US- PGPUB, USPAT, USOCR | AND | OFF | 2009/10/22 10:38 |
| S55 | 14 | "166" clas. ((index OR indexing) ADJ (piston)) | US- PGPUB; USPAT; USOCR | AND | OFF | 2009/10/22 10:40 |

EAST Search History (Interference)

- < This search history is empty>
- 4/12/2011 6:06:57 PM
- $\label{lem:count} \textbf{C:} \ \textbf{Documents} \ \textbf{EAST} \ \textbf{Workspaces} \ \textbf{10579274 plug with actuating mechanism.wsp}$